

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2005/000329

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C07K 7/06, C07K 5/11, C07K 5/117, C07K 5/097, A61K 38/06, A61K 38/07, A61K 38/08
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC⁷: C07K, G01N, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Genbank, STN Reg., NCBI Blast (NR)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI, EPODOC, PubMed, Genbank, STN Reg., NCBI Blast (NR)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US2003/0096260A1 (ZHENHUA MIAO et al.) 22 May 2003 (22.05.2003) *the whole document.* *claim 22.* --	1-11, 20
X		18, 19
A	US 2003/0203841A1 (JI MING WANG et al.) 30 October 2003 (30.10.2003) *the whole document.* --	1-11, 18-20

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
30 May 2005 (30.05.2005)

Date of mailing of the international search report
15 June 2005 (15.06.2005)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Bae YS, et al. "Differential activation of formyl peptide receptor-like 1 by peptide ligands." J Immunol. 2003, Vol. 171, No.12, pp. 6807-13. [retrieved from the Journal of Immunology online] [retrieved from the internet on 24 May 2005 (24.05.2005)] < http://www.jimmunol.org/cgi/reprint/171/12/6807 > <i>*the whole document, page 6808, 2nd column, 2nd paragraph.*</i>	1-11, 18-20
A	Bae YS, et al. "Differential activation of formyl peptide receptor signaling by peptide ligands." Mol Pharmacol. 2003, Vol. 64, No. 4, pp. 841-7. [retrieved from Molecular Pharmacology online] [retrieved from the internet on 24 May 2005 (24.05.2005)] < http://molpharm.aspetjournals.org/cgi/reprint/64/4/841 > <i>*the whole document.*</i>	1-11, 18-20
P,X	Bae YS, et al. "Identification of peptides that antagonize formyl peptide receptor-like 1-mediated signaling." J Immunol. 2004, 173, No. 1, pp. 607-14. (Abstract) NCBI PubMed [online] [retrieved from the internet on 24 May 2005 (24.05.2005)] < http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_ids=15210823&query_hl=7 > <i>*abstract.*</i>	1-11, 18-20

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Continuation of first sheet

Continuation No. I:

Nucleotide and/or amino acid sequence(s)

(Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

- a. type of material: a sequence listing
- b. format of material: in written format
- c. time of filing/furnishing: contained in the international application as filed

Continuation No. II:

Observations where certain claims were found unsearchable

(Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

Claims Nos.: 13-17 because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 13 to 15 and 17 are directed to methods of treatment of the human or animal body, the subject matters of claims 13 to 15 and 17 were included in the search based on the alleged effects of the disclosed peptide compounds, but no establishment of novelty, inventive step and industrial application of the subject matters of claims 13 to 15 and 17 was carried out.

Claim 16 is directed to a method of preventing binding between A β 42 and human neutrophils through peptides according to the subject matters of claims 1-11. Since this formulation does not exclude a potential treatment of the animal or human body, the subject matter of claim 16 was searched as described above but had to be excluded from the establishment of novelty, inventive step and industrial application of the subject matters of claim 16.

Claims Nos.: 12, 16, 20 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

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- 1) Claim 12 is directed to "A W-rich peptide mimic". Since no such substances are disclosed in the application, neither the search nor the establishment of novelty, inventive step and industrial application of the subject matters of claim 12 were carried out.
- 2) The parts of claims 16 and 20 which refer to "a W-rich peptide mimic" lack disclosure since no peptide mimic is described in the application. Therefore, these parts of claims 16 and 20 had to be excluded from the search as well as the establishment of novelty, inventive step and industrial application of the subject matters of claims 16 and 20.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US A 20030096 260	A	none	none